

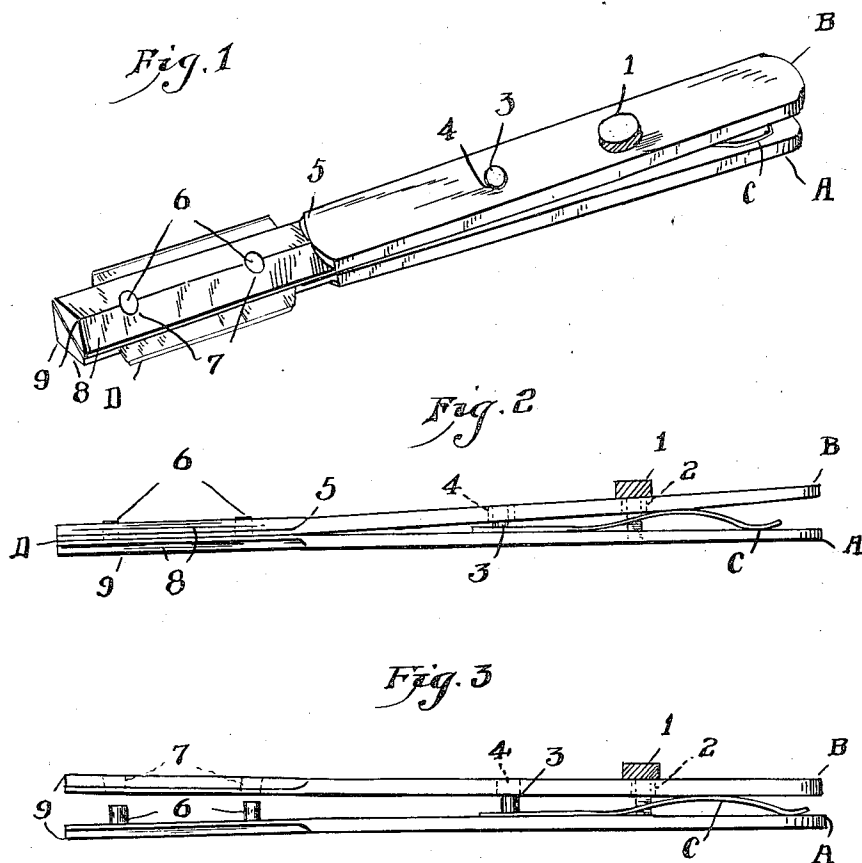
March 25, 1924.

1,487,791

R. W. MANSON

HOLDER FOR STROPPING RAZOR BLADES

Filed Jan. 23, 1923



WITNESS

R. F. Dillworth

INVENTOR.

Robert W. Manson

BY Edward A. Lawrence

his ATTORNEY.

Patented Mar. 25, 1924.

1,487,791

UNITED STATES PATENT OFFICE.

ROBERT W. MANSON, OF PITTSBURGH, PENNSYLVANIA.

HOLDER FOR STROPPING RAZOR BLADES.

Application filed January 23, 1923. Serial No. 614,374.

To all whom it may concern:

Be it known that I, ROBERT W. MANSON, a citizen of the United States, and residing in the city of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented or discovered a new, useful, and Improved Holder for Stropping Razor Blades, of which the following is a specification.

10 My invention consists in a new and improved holder for use in stropping razor blades.

More particularly my holder is intended for razor blades of the Gillette type, which have two cutting edges and are provided with perforations disposed along the longitudinal axis of the blade.

One of the objects which I have in view is the provision of a practical blade holder which will present both cutting edges of the blade for stropping.

All of the blade holders with which I am familiar, present but one edge of the blade at a time for stropping, and after one edge has been stropped, the blade must be removed from the holder and remounted therein in the reversed position before the other edge may be stropped.

Another object which I have in view is a provision of a holder in which the blade may be mounted and from which the blade may be dismounted quickly and conveniently, and which will present the blade to the strop at the proper angles for efficient stropping.

35 For these and other purposes, I have invented a holder having the following characteristics. The holder comprises two main elements or levers which for convenience I term the "base" and the "cap," and between which the blade is resiliently clamped. In the preferred form of my invention shown in the drawings, the base and cap are disposed face to face and are intermediately connected in such a manner as to oscillate or rock in relation to each other, so that either pair of ends may be compressed together or spread apart. Between the handle ends of the members I interpose means which act to normally compress the blade engaging ends together to hold the blade in place, said last mentioned ends being spread, to permit the insertion or removal of the blade, by compressing together the handle ends.

I have also provided means for preventing lateral movement of the blade while mounted in the holder, such means being illustrated as studs projecting from one of said members and extending through the perforations in the blade into perforations or sockets in the other member.

Means are also provided for maintaining the members in proper alinement.

I also provide means for presenting the blade at the proper angles to the surface of the strop. Thus the outer faces of the base and cap are provided at their blade engaging ends with oppositely inclined surfaces, which, by surface contact with the strop, present the cutting edges of the blade at the proper angle for stropping.

Other novel and useful features of construction and arrangement of parts will appear from the following description.

In the accompanying drawings, which are merely intended as illustrative of the principles of my invention, Fig. 1 is a perspective of a holder with a razor blade mounted therein ready for stropping; Fig. 2 is a side or edge view of the same, and Fig. 3 is a similar view, without the blade, showing the handle ends compressed together ready for the insertion of the blade between the blade engaging ends.

The following is a detailed description of the drawings.

The holder, as illustrated, is of the following construction.

A and B represent the two main members, the base and cap, respectively. Said members are in fact a pair of levers formed of metal bars having flat abutting surfaces. Intermediate of their ends, preferably nearer their handle ends said base and cap are hinged or connected together in such a manner as to permit oscillation or rocking in relation to each other. Thus I have shown a headed screw 1 extending through a loosely fitting hole 2 in the cap B and screwed into a threaded hole in the base A, play being provided between the two members, as shown.

The handle ends of the cap and base, the right hand ends in the drawings, are normally held spread apart by resilient means, such as the bent leaf spring C interposed between the same. To prevent the members A and B from swinging out of mutual alinement, I provide means, such as the stud 3 on

the base A which engages the socket 4 in the cap B.

To hold the spring C in position, the tail of said spring may extend forwardly between the cap and base, and be perforated for the protrusion through the same of the screw 1 and the stud 3.

It is evident that the blade engaging ends of the base and cap, the left hand ends in the drawings, are resiliently clamped together. To enable the said ends to assume parallelism when compressed together, I prefer to bend the said end of the cap B upwardly, as shown in Figs. 2 and 3, the slight angle being at 5.

The blade engaging end of the base is provided with means for anchoring the blade in position. Thus the studs 6 are provided, which studs extend through the perforations of the blade D, and when the blade engaging ends of the base and cap are compressed together, the ends of said studs protrude into the socket holes 7 in the cap B. Said studs are short enough to clear the cap when the holder is opened for the insertion or removal of the blade to give the necessary clearance as shown in Fig. 3.

It is evident that when the handle ends of the base and cap are compressed together, the opposite ends are spread apart, as shown in Fig. 3, thus permitting the insertion of the blade D which is laid on the base with the studs 6 extending up through the perforations of the blade. The handle ends are then allowed to spread apart, under the influence of the spring C, and the blade is clamped in the holder as shown in Figs. 1 and 2. When the blade has been sufficiently stropped, the handle ends of the base and cap are again compressed together and the blade may be lifted out of the holder.

It is evident that both cutting edges of the blade are exposed for stropping. The user first lays one member of the holder, either the cap or base, on the strop and moves it back and forth, properly tilting or rocking the same to bring first one edge and then the other edge of the blade against the strop. He then turns the holder over and lays the other member of the holder against the strop and repeats the stropping operation. Thus both sides of both edges of the blade are stropped without removing the blade from the holder.

To insure the proper angle of application of the beveled edge of the blade to the strop, I provide the outer faces of the blade engaging ends of the base and cap with opposed inclines or beveled surfaces 8 meeting at the longitudinal axis of the member which are alternately in surface contact with the strop as the holder is moved back and forth in stropping, the ridge 9 formed by the intersecting inclines being the axis of reversal at the end of a stroke.

It is evident from the foregoing that my improved holder provides a most convenient device for stropping razor blades.

While I have illustrated it in connection with double edged Gillette blades, it is evident that it may be designed to accommodate any type of double edge razor blades, such as Durham blades.

It is further evident that my invention may be readily adapted for stropping single edge blades, if so desired.

What I desire to claim is:—

1. A stropping holder for razor blades comprising a pair of lever members movably connected together intermediate of their ends so as to oscillate in relation to each other, one pair of ends being compressed together, while the opposite ends are spread apart and vice versa, one pair of ends acting to grip the razor blade between them, while the major portion of the remainder is used as a handle for the holder, the longitudinal axis of the blade being longitudinal of the axis of the holder, and resilient means for normally maintaining the blade gripping ends compressed together and the handle ends spread apart whereby the razor blade is clamped in the holder for stropping and by compressing together the handle ends said blade gripping ends may be temporarily spread apart for the insertion or removal of a razor blade.

2. A stropping holder for razor blades comprising a pair of lever members movably connected together intermediate of their ends so as to oscillate in relation to each other, one pair of ends being compressed together, while the opposite ends are spread apart and vice versa, one pair of ends acting to grip the razor blade between them, while the major portion of the remainder is used as a handle for the holder, the longitudinal axis of the blade being longitudinally of the axis of the holder, resilient means for normally maintaining the blade gripping ends compressed together and the handle ends spread apart whereby the razor blade is clamped in the holder for stropping and by compressing together the handle ends said blade gripping ends may be temporarily spread apart for the insertion or removal of a razor blade, and means extraneous of the lever members connection for maintaining said members in proper alinement.

3. A stropping holder for razor blades, comprising a pair of lever members movably connected together intermediate of their ends so as to oscillate in relation to each other, one pair of ends being compressed together while the opposite ends are spread apart and vice versa, one pair of ends acting to grip the razor blade between them while the major portion of the remainder is used as a handle

for the stropping holder, resilient means for normally maintaining the blade gripping ends compressed together to clamp the razor blade in the holder and the handle ends spread apart, the blade gripping ends being spread apart for the removal or insertion of the razor blade by compressing together the handle gripping ends, and means extraneous of the lever members connection for maintaining said members in proper alinement.

4. A stropping holder for razor blades, comprising a pair of lever members movably connected together intermediate of their ends so as to oscillate in relation to each other, one pair of ends being compressed together while the opposite ends are spread apart and vice

versa, one pair of ends acting to grip the razor blade between them, the major portion of the remainder being used as a handle for the stropping holder, resilient means for normally maintaining the blade gripping ends compressed together to clamp the razor blade in the holder and the handle ends spread apart, said blade gripping ends being spread apart to permit the insertion of removal of a razor blade by compressing together the handle ends, and means extraneous of the lever members connection for maintaining said members in proper alinement.

Signed at Pittsburgh, Pa., this 20th day of January, 1923.

ROBERT W. MANSON.